

### **DETAILED ACTION**

1        This communication is in response to applicant's after-final amendment, which was filed May 13, 2008.

2        Amendments and arguments to pending claims 1- 15 have been entered and made of record in the application of Sim et al., "Mud pulse landing assembly for use in directional drilling" filed on October 03, 2005.

Claims 3, 9 and 14 are amended.

Claims 1-2, 4-8, 12-13 and 15 are canceled.

Claims 10 and 11 are same as originally filed.

**Claims 3, 9-11 and 14 are pending.**

### **Response to Arguments**

3        Applicant's amendments and arguments with respected to the previously objected claims **3, 9-11 and 14** filed on May 13, 2008 has been fully considered and put the application in a condition for allowance.

### **Allowable Subject Matter**

4        The following is an examiner's statement of reasons for allowance: The combined prior arts of record fails to disclose suggest or teach limitations:

Art Unit: 2612

At least one detent is a spring-actuated ball detent, biased towards said removable mud pulse generator.

Also, a retainer comprises an anti-rotation latch receiver, a latch spacer and a thru-bore latch receiver, said anti-rotation latch receiver and said thru-bore latch receiver each having extended from one end a plurality of fingers, said plurality of fingers of each of said anti-rotation latch receiver and said thru-bore latch receiver interdigitating within said latch spacer, said anti-rotation latch receiver being retained in fixed position by means of bolts passing through said landing sub body and threadably engaging a key slider positioned within a recess of said anti-rotation latch receiver, said latch spacer being adapted to maintain said anti-rotation latch receiver in fixed spatial relationship relative to said thru-bore latch receiver.

Furthermore, a retainer actuator and receiver for receiving an actuating signal, said receiver on receiving said actuating signal acts to actuate said retainer actuator, releasing said removable mud pulse generator from said landing sub body.

### **Conclusion/Correspondence**

5 Any inquiry concerning this communication or earlier communications from the examiner should be directed to SISAY YACOB whose telephone number is (571)272-8562. The examiner can normally be reached on Monday through Friday 8:00 AM - 4:30 PM.

Art Unit: 2612

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeffery A. Hofsass can be reached on (571) 272-2981. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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6/5/2008

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